Key Terms List for Anatomy Project

This list is to help you include an appropriate level of detail in your work. Most of the items in each of the organ systems can be labeled on a diagram, but the general terms may show up more often as you connect your organ systems to your overall project. Please use the State Standards page also to guide you in determining what you would like to include on the project.

General Terms

Homeostasis		Glucose	
Circulation		Oxygen	
Perspiration		Carbon Dioxide	
Energy		Exercise	
Cells		Nutrition	
Tissue		Sunscreen	
Organ			
Diet			

Skeletal, Muscular and Skin

Skeleton		Voluntary	
Bones		Involuntary	
Marrow		Skeletal muscle	
Tendon		Smooth muscle	
Ligament		Cardiac muscle	
Joint		Dermis	
Muscle		Epidermis	
Mineral storage		Capillaries	
Red blood cells		Muscles work in pairs	
White blood cells		Ball and socket, hinge, pivot, etc	
Fat storage		Functions of the skin	
5 functions of skeletal system			

Food and Energy

Based on state standards, I have removed the requirement for the ATP equation in this project. Your presentation should make it clear that cells get energy (ATP if you like) through cellular respiration. To perform respiration, your cells need glucose and oxygen, and give off the waste product of carbon dioxide.

6 types of nutrients		Saliva	
Mouth		Acid	
Esophagus		Mucus	
Stomach		Bile	
Small intestine		Enzymes	
Large intestine		Villi	
Rectum		Absorption	
Chemical digestion		Bloodstream	
Mechanical digestion		Wastes	
Pancreas		Cellular respiration	

Circulation

Circulatory		Arteries	
Cardiovascular		Veins	
Heart		Capillaries	
Right atrium		Blood	
Left atrium		Plasma	
Right ventricle		White blood cells	
Left ventricle		Red blood cells	
Gas exchange		Platelets	
oxygen		Pulse / heart rate	
Carbon dioxide		Blood pressure	
Cellular Respiration			

Respiratory

Gas exchange		Trachea	
Oxygen		Bronchus	
Carbon dioxide		Lung	
Nose		Alveoli	
Pharynx		Diaphragm	
Cellular respiration			

Other

These sections may be helpful or an important part of your project. If they are not critical to your project, they are optional, and can earn you extra points.

"The nervous, immune and excretory systems interact with the digestive, respiratory and circulatory systems to maintain the body's dynamic internal balance (homeostasis)" (CT state standards quote)

Excretory:		Nervous:	
Urea		Functions of the nervous system	
Kidneys		Kinds of neurons	
Ureter		Brain	
Urinary bladder		Spinal cord	
urethra		Peripheral nervous system	
Lungs			
Skin			
Liver		Immune:	
		Protective barriers	
		Inflammatory response	
		Immune system cells	
		Immunity	
		Vaccines	